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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

BORGOS, Hilde Grude et al.

Application No.: 10/820,302

Filed: April 8, 2004

For: EXTREMA CLASSIFICATION



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Customer Number 37003

Group Art Unit: 3663

Examiner: n/a

Attorney Docket No.: 60.1531

Certificate of Mailing	
<i>I hereby certify that this correspondence is being deposited with the United States Postal Service on the date shown below with sufficient postage as First Class Mail in an envelope addressed to: Hon. Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450.</i>	
<i>Lorraine Ronnlund</i>	<i>April 13, 2005</i>
Lorraine Ronnlund	Date

INFORMATION DISCLOSURE STATEMENT

HONORABLE COMMISSIONER FOR PATENTS

P. O. Box 1450

Alexandria, VA 22313-1450

Sir:

In accordance with 37 C.F.R. §1.56, 1.97 and 1.98, the Applicant wishes to bring the reference materials listed in the attached Form PTO-1449 to the attention of the U. S. Patent and Trademark Office. Copies of the references are provided for the Examiner's convenience.

No representation is made or intended that a complete and exhaustive prior art search has been made, or that no better references than those set forth below are available. Furthermore, this Statement does not constitute an admission that these references are properly citable against the present application as prior art. It is respectfully requested that these references be considered by the Examiner and formally made of record in this case.

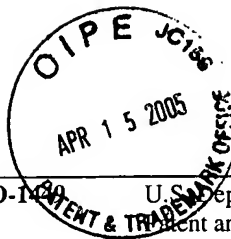
This information disclosure statement is being filed before receipt of the first office action. Therefore, applicants believe that no fees are due. However, in the event that the first office action has been mailed prior to the filing of this information disclosure statement, the Commissioner is authorized to charge Deposit Account No. 19-0615 in the amount of \$180.00, to cover the fee set forth in 37 CFR 1.17(p) for submission of an information disclosure statement under §1.97(c). The Commissioner is authorized to charge or credit any deficiency/overpayment to Deposit Account No. 19-0615. Two copies of this paper are attached.

Respectfully submitted,

Jody Lynn DeStefanis
Jody Lynn DeStefanis, Registration No. 44,653

Schlumberger-Doll Research
36 Old Quarry Road
Ridgefield, Connecticut 06877-4108
(203) 431-5505

Date: APRIL 13, 2005



FORM PTO-159 U.S. Department of Commerce Patent and Trademark Office INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use several sheets if necessary)</i>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">ATTY. DOCKET NO: 60.1531</td> <td style="width: 50%;">SERIAL NO.: 10/820,302</td> </tr> <tr> <td>APPLICANT: BORGOS, Hilde Grude et al.</td> <td>EXAMINER: n/a</td> </tr> <tr> <td>FILING DATE: April 8, 2004</td> <td>GROUP: 3663</td> </tr> </table>	ATTY. DOCKET NO: 60.1531	SERIAL NO.: 10/820,302	APPLICANT: BORGOS, Hilde Grude et al.	EXAMINER: n/a	FILING DATE: April 8, 2004	GROUP: 3663
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FILING DATE: April 8, 2004	GROUP: 3663						

U.S. PATENT DOCUMENTS

Exam Init.	Document Number	Date	Name	Class	Sub-class	Filing date if appropriate
	6,240,370	05/29/01	Sonneland et al.	702	17	02/18/98
	6,463,387	10/08/02	Runnestrand et al.	702	16	01/31/01

FOREIGN PATENT DOCUMENTS

Exam Init.	Document Number	Date	Country	Class	Sub-class	Translation	
						Yes	No
	EP0 181 216 A3	07/11/85	EPO				
	GB 407,989	08/27/32	United Kingdom				
	GB 2 375 448 B	10/15/03	United Kingdom				
	WO 01/33255	10/13/00	PCT				
	WO 98/37437	08/27/98	PCT				

OTHER DOCUMENTS *(Including Author, Title, Date, Pertinent Pages, Etc.)*

1	Borgos, H. G. et al.	"Classification of Production Effects from 4D Seismic Surveys." <i>EAGE</i> , pp. 1-4 (May 2002).
2	Celeux, G. et al.	"Gaussian Parsimonious Clustering Models". <i>Pattern Recognition</i> , Vol. 28, No. 5, pp. 781-793 (1995).
3	Randen, T. et al.	"Automatic Extraction of Fault Surfaces from Three-Dimensional Seismic Data". <i>Expanded Abstr. , Int. Mtg. Soc. Exploration Geophys.</i> , pp. 551-554, Fig. 8a (Sept. 2001).

EXAMINER	DATE CONSIDERED
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609: Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant